

U.S. National Committee

2020 Annual Meeting of Members



USNC General Meeting Agenda

USNC President's Opening Remarks	D. Roop
CIGRE International Update	M. Heyeck
Awards & Recognition	K. Lindsey/B. LaRose
Nominations & Appointments	C. Root/D. Novosel
Treasurer's Report	C. Kelly
Administrative VP Report	D. Russell
Membership	J. Hogan
Women in Engineering	B. LaRose
Next Generation Network	C. Mertz
Technical Activities Report	J. McDonald
Future CIGRE and USNC Meetings	D. Roop
Other Business & Discussion	USNC Members

USNC Awards

The Philip Sporn Award	2020 Honorees
For career contributions advancing electric power systems in theory, design and/or operation for the benefit of society in the United States, and for aspir- ing to Philip Sporn's 'Locus of Discontent' approach; i.e. always challenging the status quo to advance technology for the betterment of society.	Dr. Dale Douglass
Attwood Associate Award	
This award is made to honor the contributions and memory of Frederic Attwood of the U.S.A. who, with J. Tribot Laspiere of France foresaw the need for an international organization in the field of power engi- neering and who became the first Chairman of the U.S. National Committee upon the founding of CIGRE in the year 1921.	Paul Myrda John Randolph Galen Rasche David W. Roop Chris Root Dr. Jason Taylor

Collective Member Award

For outstanding leadership and continuing manage- rial, technical, and financial support of the activities of the U.S. National Committee and CIGRE over an extended period of time.	Dominion Energy
International Distinguished Member Award	
Every two years, longstanding services to CIGRE are rewarded by a "Distinguished Member" award, upon proposal from their National Committees.	Neil Kirby Michael Lamb Nicholas Miller Dr. Damir Novosel
Next Generation Network Significant Contribution Award	Nenad Uzelac
This award is intended to recognize outstanding con- tributions of NGN members to CIGRE activities	Amanda Olson
Fellow Award	
The "CIGRE Fellow" award is attributed for active participation in the activities of the technical work of the study committees and for providing a lead tech- nical role in the study committees, with a maximum five awards every two years.	Dr. Pouyan Pourbeik
Technical Council Award	
The "Technical Council" award, granted by the Chair- man of the Technical Council, is accorded every two years for active participation in Study Committees (for a maximum sixteen awards).	Dr. Renuka Chatterjee
Cigre United States	



Dr. Dale Douglass

The Philip Sporn Award

Dr. Dale Douglass received his PhD EE from Carnegie Mellon University in 1968. He was named a Fellow of IEEE in 1996 for his work on transmission conductors and was made a distinguished Member of CIGRE in 2012.

He was chairman of IEEE Subcommittee 15.11 from 2004 to 2009 and was the US Representative to CIGRE Study Committee B2 (Overhead Lines) from 2006 to 2014. He has authored and co-authored over 60 technical papers.

Currently, he is Principal of Douglass Power Consulting, LLC, and lives in Niskayuna, New York, USA.



Paul Myrda Attwood Associates Award

Paul Myrda is a Senior Program Manager with the Electric Power Research Institute in the Power Delivery and Utilization Sector. Currently, he is the Program Manager for the Transmission Operations research program.

Previously, Paul was Director of Operations and Chief Technologist overseeing planning and asset management functions for Trans-Elect's operating companies.

Paul has over 40 years of experience. He has an MBA from Kellogg and MSEE and BSEE from Illinois Institute of Technology. He is a licensed professional engineer, and a member of CIGRE and Senior member of the IEEE.



John Randolph Attwood Associate Award

John Randolph is a native Californian and has worked for PG&E since receiving his BSEE degree from Cal Poly, San Luis Obispo in 1983, with an emphasis in Power Engineering. His career has involved the substations area as a project engineer, manager, and Principal Engineer for substation standards, asset strategy, animal mitigation, FACTS devices, and large-scale photovoltaic and battery storage installation.

John has been an IEEE member since college, and joined the PES Substations Committee in 2000, expanding to various leadership roles and as Chair in 2011-2012, receiving a PES Distinguished Service Award in 2013.

In 2012 he joined CIGRE as the USNC representative for B3 Substations, supported several working groups in publishing Technical Brochures, and served an extended term through 2020.

In 2011, John hosted B3 at the annual IEEE Substations meeting in a combined event in Chicago, IL, and also hosted B3's Strategic Advisory Group meetings within the US in 2016 (San Francisco, CA) and 2018 (Scottsdale, AZ).

Since 2013, he has also convened the Customer Advisory Group in support of the B3 Chair, recently receiving an Outstanding Service Award.



Galen Rasche Attwood Associate Award

Galen Rasche is a Senior Program Manager in the Power Delivery and Utilization (PDU) Sector at the Electric Power Research Institute (EPRI), managing the Cyber Security Program P183. This program performs collaborative, applied research to improve the security and resilience of transmission, distribution, and grid-edge systems. In this position, Galen engages with cyber security teams and executives from electric power utilities around the world to develop cyber security technologies, standards, and business processes to address the emerging threats to the electric sector. He has 15 years of experience performing research in the areas of cyber security, Smart Grid security and the penetration testing of embedded systems.

Prior to joining EPRI, Galen led the Embedded and Application Security Group at Southwest Research Institute (SwRI). In this position, he was the project manager for several Smart Grid security projects and also performed cyber security research for government research laboratories and commercial clients.

Galen earned a Master of Science in Electrical Engineering from the University of Illinois at Urbana-Champaign and a Master of Business Administration and Bachelor of Science in Electrical Engineering from the University of Kentucky.



David W. Roop Attwood Associate Award

David W. Roop is currently a power industry consultant and formerly was the Director of Electric Transmission Operations in the Power Delivery Group of Dominion Energy, until his retirement on January 1, 2020 after a 43-year career.

Dave held various management positions in Dominion Energy, including areas such as transmission & substation engineering, system protection engineering, project management of bulk power facilities, distribution operations and construction, research and development of emerging electro-technologies. Throughout the various stages of his career, the desire to stay engaged in technical activities was central.

Dave received a B.S. Electrical Engineering from Virginia Tech in 1976. He is a Licensed Professional Engineer in the Commonwealth of Virginia and a member of the National Academy of Engineers.

Dave presently serves as the U.S. President of CIGRE, formerly acting as the CIGRE U.S. National Committee Treasurer. He is also a Senior Member of the Institute of Electrical and Electronics Engineers (IEEE) and received the IEEE Power Engineering Society, 2014 Leadership in Power Award.

His accomplishments range from having received a U.S. Patent for Grounding Cage and developed innovative techniques for surge protection of Distribution facilities in highly resistive soils. He also assisted in the development of electric vehicle charging codes.

Dave has always been a strong proponent of industry support, encouraging his various teams at Dominion Energy as well as leaders throughout industry to serve industry as well. Virginia Tech's Power and Energy Center appointed him an Adjunct Professor of Practice, furthering this collaboration of academia and industry, as well as the mentoring of students.



Chris Root Attwood Associate Award

Chris Root is the Chief Operating Officer for Vermont Electric Power Company. He is responsible for the engineering, construction and operation of the transmission system in the state of Vermont.

Chris has over 35 years of utility operations and engineering leadership experience. Previously, he was the Senior Vice President of Network Strategy at National Grid USA responsible for engineering and asset management of the electric and gas networks in the US. He was a Senior VP for 17 years in various roles in Transmission and Distribution Operations, Engineering and Construction for operations in MA, RI, NH and NY.

Chris has a BS in Electrical Engineering from Northeastern University and a MEng in Electric Power Engineering from Rensselaer Polytechnic Institute. He attended the Program for Management Development at the Harvard Business School. Chris is a registered Professional Engineer in the states of MA and RI.

Chris has been the elected Treasurer, Secretary and Member at Large of the IEEE Power and Energy Society Governing Board. He has been member of the North American Transmission Forum Board of Directors and is on the Executive Committee of the US National CIGRE Committee. He is on the Editorial Board of the Power and Energy Magazine. He was awarded the 2009 Outstanding Engineering Award by the Boston Chapter of the Power and Energy Society. He has given many technical presentations throughout the world on various utility topics.



Dr. Jason Taylor Attwood Associate Award

Dr. Jason Taylor is a Principal Project Manager at EPRI, where he leads the Power System Studies Team and Distribution Planning Project Set. His research focuses on advancing planning tools, methods, and practices needed by utility planners to holistically evaluate and efficiently design the modern distribution system.

Jason received his BS and MS degrees from Mississippi State University and a Doctorate from Auburn University. He is Chair for the IEEE working group on Modern and Future Distribution Planning, serves as US representative for the CIGRE C6 Study Committee, and is convener of the CIGRE working group on Distributed Energy Resource Models for Impact Assessment.



Dominion Energy Collective Member Award

Dominion Energy operates in 20 states across the U.S., offering clean, safe, reliable, and affordable energy to more than 7 million customers. Headquartered in Richmond, VA, we invest in the communities where we live and work, and strive to protect our natural resources while delivering safe, reliable energy to our customers.



Neil M. Kirby International Distinguished Member Award

Neil graduated at the University of Newcastle upon Tyne in England in 1983 with a Bachelors' Degree in Electrical Engineering & Computing Science and started his first employment with GEC Rectifiers in Stafford, England.

He gained practical experience in the manufacturing and testing of many types of power electronic equipment and control systems including industrial rectifiers, track side and under car rail transit drives, Static Var Compensator and HVDC systems. After completing this initial training he moved into design, working in both control hardware and software to create several generations of control systems for Rectifiers, SVC's, and HVDC systems worldwide, including travel to site for extended periods to carry out commissioning tests in UK, France, Canada, South Korea, India and elsewhere.

After spending some time in HVDC Project Engineering Management, in 2003, Neil and his family moved to Philadelphia in USA to develop the HVDC and FACTS business in USA and Canada. He has worked for the same employer throughout his career, although the name over the door has changed frequently, starting with GEC, GEC Alstom, Alstom, Areva, Alstom, and most recently GE. Neil is a Senior Member of IEEE, B4 Regular Member for the USNC of Cigre, and is active on several IEEE and Cigre working groups and committees, with many published papers on the subject of HVDC as author and co-author. He is also a member of the IET, he has been an active member of ANSI and IEC.

Neil's proudest achievement is his family, with the support of his wife of 35 years Lorraine, and two adult girls Samantha and Eleanor, who have both chosen careers in the medical field, presently living in West Palm Beach, and Baltimore.



Michael Lamb International Distinguished Member Award

Michael L. Lamb is currently Director of Electric Transmission Reliability in the Power Delivery Group of Dominion Energy.

He is responsible for the operation and reliability of Dominion Energy's transmission assets, including substations and transmission lines in three states. This includes over 6,600 miles of transmission lines and over 400 substations. Michael presently manages an organization that provides technical support and engineering resources for electrical equipment and operations, reliability functions, and coordination of Dominion Energy's research activities with the Electric Power Research Institute. His organization also provides technical support for Dominion Generation substations, for both regulated and merchant plants.

He joined Dominion Energy in 1988 and has held a number of engineering positions during his 32-year career with experience in electric substation and transmission line design and maintenance, distribution system planning and operations, system operations, and electrical equipment design, application, and operation.

Michael has been an active member of CIGRE since 2007. He was a member of CIGRE working group A2-36 on transformer procurement and the secretary of CIGRE working group A2-48 on shunt reactors. He is currently the secretary of CIGRE working group A2-58 on installation and pre-commissioning of transformers and reactors, and is co-editor of Study Committee A2's new Green Book on Transformer and Reactor Procurement. He is currently the CIGRE US National Committee[USNC] Regular Member of Study Committee A2 Transformers and was a recipient of USNC's Attwood Associate Award in 2018. He earned his Bachelor of Science Degree in Electrical Engineering from the Virginia Military Institute in 1988, and currently resides with his family in Midlothian, VA.



Nicholas Miller International Distinguished Member Award

Nick is a Principal with HickoryLedge LLC, a consultancy providing technical services. Nick is an internationally known power system engineer, with specialty in integration of wind and solar power to bulk power systems.

Nick spent 3/8 of a century with GE, finishing his final decade of practice in the role of Senior Technical Director for GE Energy Consulting. In the last 16 years at GE, he led analytical developments for integration of GE Wind Turbine-Generators into power systems, leading efforts to develop new applications, controls and systems for large-scale coordination of wind and solar generation with other system resources. He was the leader of the landmark Western Transient Stability and Frequency Response Study and a principal on the New York State Wind study, the US DOE Western Wind and Solar Integration Study, the New England Wind Integration Study, as well as multiple Wind and Solar related projects in Hawaii.

Nick lectured and provided consultation on wind and solar power integration to governments and institutions in more than three dozen countries. He worked with the North American Electric Reliability Corporation (NERC) on development of metrics and practice for Essential Reliability Services. He pioneered new techniques for the analysis and control of transient and voltage stability of very large power systems. He led the development of advanced network solution and component modeling techniques for reactive compensation and FACTS device application. He led research projects in the use of artificial intelligence in the protection of power systems; and published new developments on the use of GTO-based static compensation for improvement of power system performance.

Nick is an IEEE Fellow, a Licensed Professional Engineer in NY, and a CIGRE member. He authored 20 US patents for wind and solar power, system control, and other technologies. He has published over 160 papers and articles, including many peer reviewed technical papers.



Dr. Damir Novosel International Distinguished Member Award

Dr. Damir Novosel is president and founder of Quanta Technology, a subsidiary of Quanta Services, a Fortune 300 company. Previously, he was vice president of ABB Automation Products and president of KEMA T&D US.

He is a member of the CIGRE US National Committee and received CIGRE Attwood Associate and Distinguished Member awards. Dr. Novosel is a member of U.S. National Academy of Engineers and IEEE Fellow. He served as IEEE PES President and VP of Technical Activities. He is presently member of the IEEE Standards Board and chairs IEEE Smart Cities and Industry Technical Support Leadership Committee. Damir holds 17 patents, has over 170 publications, and contributed to 5 books.

Damir holds PhD and MSc, BSc degrees in EE from Mississippi State University (where he was a Fulbright scholar), the University of Zagreb, Croatia, and the University of Tuzla, Bosnia, respectively. He was selected Mississippi State University Distinguished Engineering Fellow.



Nenad Uzelac International Distinguished Member Award

Nenad has 25 years of experience as a direct contributor and a leader in Medium Voltage Power Industry, with focus on switch-gear design and development.

Nenad actively participates in IEEE, CIGRE and CSA working groups and standard activities. Since 2018 he has been the chair of CIGRE A3 Transmission and Distribution Equipment. Also, he is the chair of IEEE Switchgear Innovation & Technology and member of IEEE C37.60, C37.62, C37.68 working groups.

Nenad has a wide range of research interests, including new trends in T&D equipment, MV and HV switchgear design, Low Power transformers development and testing, new product development process optimization, non-intrusive condition assessment, alternative gasses and internal fault studies.

Nenad has a Master of Science in Power Engineering from the University of Belgrade, Serbia and a Master of Science in Production Development from Northwestern University.



Amanda Olson Next Generation Network Significant Contribution Award

Amanda Olson is the Kansas City Transmission & Distribution Engineering Manager at Burns & McDonnell. She is responsible for leading the innovative, forward-thinking engineers and technical experts in the T&D Kansas City office and strategically planning for the quickly changing market.

Her portfolio includes design of electric power substations, substation physical security, and project management. She has been involved with designs of a wide variety, including substations from 13.8-kV to 765-kV.

Amanda has a Bachelor of Science degree in Electrical Engineering from the Missouri University of Science & Technology and a Master of Business Administration degree from the University of Missouri, Kansas City. She is a registered professional engineer and a member of CIGRE and IEEE.



Dr. Pouyan Pourbeik

Fellow Award

Dr. Pourbeik has served the electric power and energy industry as a consultant and a researcher since 1997. He completed his Bachelor of Electrical and Electronic Engineering and PhD in Electrical Engineering in 1993 and 1997, respectively, at the University of Adelaide, Australia. He worked for GE Power Systems Energy Consulting from 1997 to 2000. From 2000 to 2006 he was with ABB Inc. in the Electric Systems Consulting group. From 2006 to 2016 he worked for the Electric Power Research Institute. In March 2016, he founded Power and Energy, Analysis, Consulting and Education, PLLC.

Throughout his career, Dr. Pourbeik has led and performed numerous consulting and research projects spanning a wide array of electric power system technical performance issues, ranging from electromagnetic transients to voltage and small-signal stability. He has extensively performed generator model validation and field testing in North America for both synchronous and inverter-based generation. He has also been, and continues to be, a major technical contributor to the development of numerous dynamic models that are now standard library models in many commercial power system planning software tools, including models for inverter-based generation, HVDC systems, SVCs and STATCOMs, turbine-governor models for gas turbines and combined-cycle power plants, dynamic load models and models for distributed energy resources, and several other models associated with conventional synchronous generators. He is also the developer of model validation tools and techniques, which are used by numerous utilities and other power authorities in North America and outside of the US. He has authored or co-authored over ninety technical publications, including co-authoring one textbook on small-signal stability analysis of power systems. He has also given workshops and short courses for numerous utilities and utility engineers around the world in North America, Europe and Africa.

He is a Fellow of the IEEE, an Honorary Member of CIGRE and a license professional engineer in the States of North Carolina and Texas. He is also a past chairman of both the IEEE Power & Energy Society's Power System Dynamic Performance Committee and the CIGRE Study Committee C4 – System Technical Performance. He has also been an active member of, and in some cases led, numerous international task forces and working groups within CIGRE, IEEE, IEC, NERC and WECC.



Dr. Renuka Chatterjee

Technical Council Award

Renuka Chatterjee leads MISO's System Operations, overseeing day-to-day transmission reliability, generation dispatch and real-time operations processes that ensure efficient and reliable grid operations.

An employee of MISO since 2000, Dr. Chatterjee served in leadership positions within Operations & Markets and Transmission Planning. She was instrumental in the establishment and implementation of MISO's Reliability & Market Services.

Dr. Chatterjee has led multiple, high-profile initiatives including MISO's wind integration, the development of seams agreements between MISO and its neighbors and, most recently, the RTO's resource adequacy initiative. Her knowledge and experience in the field of information technology enabled her to lead MISO's Application Services division where she improved operational excellence through business services integration.

Dr. Chatterjee holds a Doctorate degree in Electrical Engineering from Illinois Institute of Technology, Chicago and a Master's degree in Electrical Engineering from Indian Institute of Science, Bangalore, India.